

Converting Colors

XYZ(63.9689, 75.2216, 66.7021)

Have a look what the booklet for
XYZ(63.9689, 75.2216, 66.7021)
contains.

XYZ(64.0528, 75.4802, 66.4515)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.0528, 75.4802,
66.4515)**

Conversions

Conversions Part 1

Format	Color
Hex	C9EAC9
RGB	201, 234, 201
RGB Percent	79%, 92%, 79%
CMY	0.2118, 0.0823, 0.2118
CMYK	0.14, 0.00, 0.14, 0.08
HSL	120°, 44%, 85%
HSV	120°, 14%, 92%
XYZ	64.0528, 75.4802, 66.4515
YIQ	220.3710, -9.0750, -17.2590

Conversions

Conversions Part 2

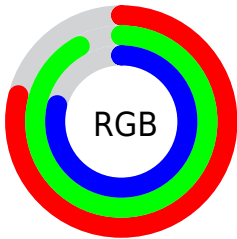
Format	Color
R _Y B	201, 234, 234
Decimal	13232841
CIE Lab	89.62, -16.88, 12.45
CIE LCh	90, 20.978, 143.587
Yxy	75.4802, 0.3110, 0.3664
Android (android.graphics.Color)	4291422921 (0xFFC9EAC9)
YUV	220.3710, -9.5499, -16.9884
Hunter-Lab	86.8793, -20.4377, 15.4663

Details

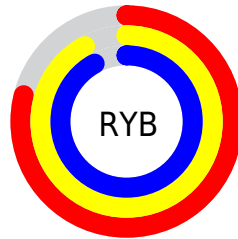
The XYZ color **64.0528, 75.4802, 66.4515** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.6723, 65.2079, 86.7597**, and the grayscale version is **68.3576, 71.9175, 78.3181**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2195, 40.1504, 33.6027** is the 20% darker color. If you saturate the color by 10%, you get **55.6888, 71.4648, 52.7691**, and if you desaturate by 10%, it is **73.7986, 80.1638, 82.3907**.

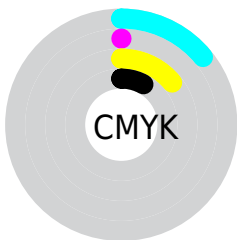
Distribution



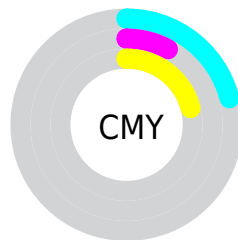
- Red (79%)
- Green (92%)
- Blue (79%)



- Red (79%)
- Yellow (92%)
- Blue (92%)



- Cyan (14%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)



- Cyan (21%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0528, 75.4802, 66.4515 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 64.0528, 75.4802, 66.4515 by changing the saturation by 10% instead.

64.0528, 75.4802,
66.4515

64.0528, 75.4802,
66.4515

428.9795,
479.5665, 466.4381

46.9553, 56.0064,
48.1802

109.7603,
126.9919, 115.7673

33.2081, 40.2080,
33.6086

139.1010,
159.7985, 147.6489

22.4459, 27.7008,
22.3182

173.2534,
197.8182, 184.9043

14.3033, 18.1002,
13.8903

212.5830,
241.4354, 227.9521

8.4151, 11.0220,
7.9065

257.4550,
291.0344, 277.2109

4.4157, 6.0816,
3.9483

308.2348,

1.9399, 2.8948,

346.9996, 333.0991

1.5970

365.2879,
409.7155, 396.0353

■ 0.5999, 1.0770,
0.2887

■ 0.0000, 0.0000,
0.0000

■ 64.0528, 75.4802,
66.4515

■ 64.0528, 75.4802,
66.4515

■ 55.6888, 71.4648,
52.7691

■ 73.7986, 80.1638,
82.3907

■ 48.6384, 68.0781,
41.2368

■ 84.9782, 85.5340,
100.6768

■ 42.8367, 65.2912,
31.7470

■ 88.7143, 87.3286,
106.7881

■ 38.2108, 63.0692,
24.1806

■ 34.6806, 61.3735,
18.4062

■ 32.1557, 60.1606,
14.2762

■ 30.5315, 59.3804,
11.6193

■ 29.6802, 58.9715,
10.2268

■ 29.4243, 58.8486,
9.8082

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8460, 75.4802, 58.8064



64.0528, 75.4802, 66.4515



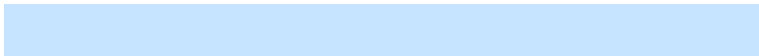
62.3306, 75.4802, 79.0531

Triad

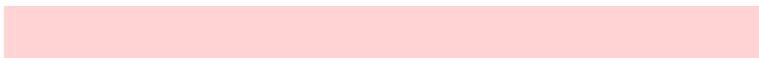
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.0528, 75.4802, 66.4515



70.6395, 75.4802, 113.7649



81.2199, 75.4802, 71.3359

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.0528, 75.4802, 66.4515



69.6723, 65.2079, 86.7597

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0553, 75.4802, 85.3988



64.0528, 75.4802, 66.4515



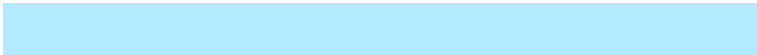
75.7836, 75.4802, 111.0601

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.0528, 75.4802, 66.4515



66.0141, 75.4802, 107.2271



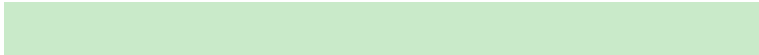
80.0225, 75.4802, 100.2246



77.7913, 75.4802, 61.3812

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.0528, 75.4802, 66.4515



62.5270, 75.4802, 89.0396



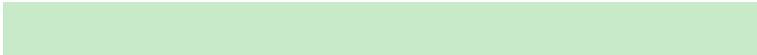
80.0225, 75.4802, 100.2246



81.8199, 75.4802, 75.6918

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.0549, 75.4834, 66.4532



89.7974, 97.4769, 100.3084



73.9005, 80.5590, 66.9136



19.0157, 20.7658, 21.1354



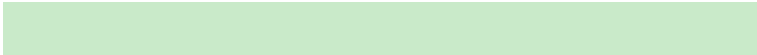
0.0000, 0.0000, 0.0000



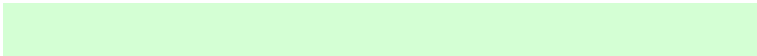
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0549, 75.4834, 66.4532



74.6502, 90.2009, 75.5327



66.1020, 76.3023, 77.2332



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5114



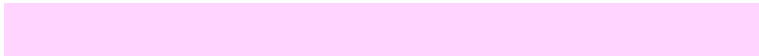
1.2983, 2.5966, 0.4328

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.6723, 65.2079, 86.7597



82.7460, 75.3921, 104.7980



67.4103, 64.3031, 74.8482



15.7149, 15.3138, 19.0498



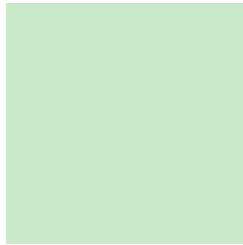
27.4131, 13.1679, 44.8380



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 64.0528, 75.4802, 66.4515 looks on a white background.

Color Contrast Check

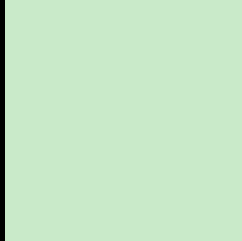
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 64.0528, 75.4802, 66.4515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

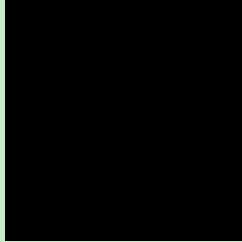
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

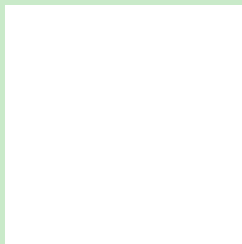
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0528, 75.4802, 66.4515

Background



This preview shows how black text looks on a background with the XYZ color 64.0528, 75.4802, 66.4515.

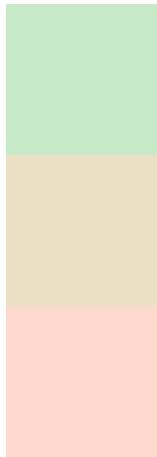


This preview shows how white text looks on a background with the XYZ color 64.0528, 75.4802,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.0528, 75.4802, 66.4515

Protanopia

71.2115, 75.1297, 62.9728

Deuteranopia

76.7053, 75.1043, 68.2114



Tritanopia

70.3904, 75.5505, 98.0615

Trichromacy



Original Color

64.0528, 75.4802, 66.4515

Protanomaly

68.3679, 75.2520, 64.3478

Deuteranomaly

71.5477, 74.7972, 67.7931

Tritanomaly

67.7566, 75.2859, 85.8234

Monochromacy



Original Color

64.0528, 75.4802, 66.4515

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.3760, 72.8007, 73.5043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0528, 75.4802, 66.4515 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(201, 234, 201)` looks like.

```
.text, #text, p{  
    color:rgb(201, 234, 201)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(201, 234, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 234, 201) }
```

Border

The CSS property to change the border of an element to XYZ 64.0528, 75.4802, 66.4515 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 234, 201) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(201, 234, 201) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(201, 234, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 234, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 234, 201);  
box-shadow:4px 4px 4px 4px rgb(201, 234,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0528, 75.4802, 66.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 234, 201) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(201,  
234, 201) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor